

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd

OM protein - protein search, using sw model

Run on: January 16, 2003, 16:34:37 : Search time: 57.0857 seconds
(without alignments)
28 011 Million coll updates/sec

Title: US-09-856-070-21

Perfect score: 60

Sequence: 1 EELMLRLQDYEE 12

Scoring table: BLOSUM62

Gapop 10 0, Gapext 0 5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 908470

Minimum DH seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /SID52/qcdata/geneseq/geneseq-emb1/AA1980.DAT:*
- 2: /SID52/qcdata/geneseq/geneseq-emb1/AA1981.DAT:*
- 3: /SID52/qcdata/geneseq/geneseq-emb1/AA1982.DAT:*
- 4: /SID52/qcdata/geneseq/geneseq-emb1/AA1983.DAT:*
- 5: /SID52/qcdata/geneseq/geneseq-emb1/AA1984.DAT:*
- 6: /SID52/qcdata/geneseq/geneseq-emb1/AA1985.DAT:*
- 7: /SID52/qcdata/geneseq/geneseq-emb1/AA1986.DAT:*
- 8: /SID52/qcdata/geneseq/geneseq-emb1/AA1987.DAT:*
- 9: /SID52/qcdata/geneseq/geneseq-emb1/AA1988.DAT:*
- 10: /SID52/qcdata/geneseq/geneseq-emb1/AA1989.DAT:*
- 11: /SID52/qcdata/geneseq/geneseq-emb1/AA1990.DAT:*
- 12: /SID52/qcdata/geneseq/geneseq-emb1/AA1991.DAT:*
- 13: /SID52/qcdata/geneseq/geneseq-emb1/AA1992.DAT:*
- 14: /SID52/qcdata/geneseq/geneseq-emb1/AA1993.DAT:*
- 15: /SID52/qcdata/geneseq/geneseq-emb1/AA1994.DAT:*
- 16: /SID52/qcdata/geneseq/geneseq-emb1/AA1995.DAT:*
- 17: /SID52/qcdata/geneseq/geneseq-emb1/AA1996.DAT:*
- 18: /SID52/qcdata/geneseq/geneseq-emb1/AA1997.DAT:*
- 19: /SID52/qcdata/geneseq/geneseq-emb1/AA1998.DAT:*
- 20: /SID52/qcdata/geneseq/geneseq-emb1/AA1999.DAT:*
- 21: /SID52/qcdata/geneseq/geneseq-emb1/AA2000.DAT:*
- 22: /SID52/qcdata/geneseq/geneseq-emb1/AA2001.DAT:*
- 23: /SID52/qcdata/geneseq/geneseq-emb1/AA2002.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	60	100.0	12	AA82038	Human heprecceptor
2	60	100.0	13	AA82037	Human heprecceptor
3	60	100.0	34	AA82020	Human heprecceptor
4	60	100.0	436	AA873954	Human colon cancer
5	60	100.0	586	AA827443	Amino acid sequenc
6	60	100.0	622	AA830201	Novel human secret
7	60	100.0	635	AA833356	Human colon cancer
8	55	91.7	11	AA82039	Human heprecceptor
9	52	86.7	52	AA833060	Novel human secret
10	41	68.3	27	AA827444	Antennapedia inter

11	41	68.3	344	22	ABG29165	Novel human diagno
12	39	65.0	57	22	ABB39680	Peptide #7186 enco
13	39	65.0	57	22	AA860396	Human brain expres
14	39	65.0	57	22	AA873032	Human bone marrow
15	39	65.0	57	22	AA813256	Peptide #7293 enco
16	39	65.0	57	23	ABG42876	Human peptide enco
17	39	65.0	405	11	AA808119	CDX- a MILA involv
18	39	65.0	405	12	AA813775	CDX- a MILA involv
19	39	65.0	405	13	AA828840	Helix cell fucosylt
20	39	65.0	405	15	AA845937	A glycosyltransfer
21	39	65.0	405	18	AA813641	Human alpha(1,3)-f
22	39	65.0	405	18	AA811821	Human myeloid deri
23	39	65.0	429	22	ABG19348	Novel human diagno
24	39	65.0	429	22	AA874841	Human colon cancer
25	39	65.0	456	15	AA845938	A glycosyltransfer
26	39	65.0	802	22	ABG19345	Novel human diagno
27	39	65.0	880	22	AA896332	Potative P. abyss
28	39	65.0	2645	22	ABG20077	Novel human diagno
29	38	63.3	1387	21	AA895441	Caenorhabditis ele
30	37	61.7	21	23	AA898857	Insulin/insulin-li
31	37	61.7	286	22	AA896752	Potative P. abyss
32	37	61.7	299	22	AA814576	Novel bone marrow
33	37	61.7	306	19	AA852440	Pseudomonas sp. P2
34	37	61.7	353	22	AA814730	Novel bone marrow
35	37	61.7	443	22	AB868491	Drosophila melanog
36	37	61.7	847	22	ABG17337	Novel human diagno
37	37	61.7	1200	21	AA819313	Amino acid sequenc
38	36	60.0	284	21	AA830197	Arabidopsis thalia
39	36	60.0	284	21	AA849452	Arabidopsis thalia
40	36	60.0	293	21	AA840196	Arabidopsis thalia
41	36	60.0	293	21	AA849451	Arabidopsis thalia
42	36	60.0	405	12	AA814404	Protein 7.2 (1.3-1
43	36	60.0	484	21	AA831854	Arabidopsis thalia
44	36	60.0	539	12	AA814405	Arabidopsis thalia
45	36	60.0	602	22	AA833874	Protein 1 (1.3 fac
						Human protein sequ

ALIGNMENTS

RESULT 1	
AA82038	
ID	AA82038 standard, peptide, 12 AA.
XX	
XX	AA82038:
AC	
XX	13-JUN-2001 (first entry)
DT	
XX	Human heprecceptor domain A binding peptide Super222.
EF	
XX	Human heprecceptor, cytosolic; anti-HIV; antibacterial
FW	heprecceptor, cellular response inducer; anti-HIV; infectious diseases, cancer;
KW	HIV related dementia.
XX	
GS	Homo sapiens.
XX	
FH	Key Location/Qualifiers
FT	Modified-site 10
FT	/note= "Optionally phosphorylated"
XX	
PN	GB2354241-A.
XX	
PD	21-MAR-2001.
XX	
PF	17 SEP 1999, 99GB-0021881.
XX	
PP	17-SEP-1999; 99GB-0021881.
XX	
PA	(HOLM/) HOLMS R D.
XX	
PI	Holms RD;
XX	
DR	WFI; 2001-293287/31.

XX Novel regulatory or unfolding peptides of ezrin that binds to
 PT heprecceptor, useful for inducing immune response for treating
 PI infectious diseases and cancer
 XX
 PS Claim 24: Page 36; 42pp; English.
 XX
 CC The heprecceptor is a novel active site in human ezrin. Ezrin regulates
 CC the structure of the cortical cytoskeleton to control cell surface
 CC topography. The present invention relates to peptides (see AAB82021 to
 CC AAB82041) that bind to heprecceptor with greater affinity than HEP1 (see
 CC AAB82046). The heprecceptor binding peptides are useful for inducing
 CC immune response, and for treating infectious diseases, cancer and
 CC HIV-related dementia. The present peptide binds to domain A of the
 CC heprecceptor (AAB82019).
 XX
 SQ Sequence 12 AA;
 Query Match 100.0%; Score 60; DB 22; Length 12;
 Best Local Similarity 100.0%; Pred. No. 0.0023;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 EELMLRLQDYEE 12
 Db 1 EELMLRLQDYEE 12
 RESULT 2
 AAB82037
 ID AAB82037 standard; peptide; 14 AA.
 AC AAB82037;
 XX
 DT 14-JUN-2001 (first entry)
 XX
 DE Human heprecceptor domain A binding peptide Rupe-2032.
 XX
 KW Human; heprecceptor; cytostatic; anti-HIV; antibiotic;
 KW isotropic; immune response inducer; ezrin; infectious diseases, cancer;
 KW HIV-related dementia.
 XX
 OS Homo sapiens.
 XX
 EH Key Location/Qualifiers
 FI Modified-site 11 /note- "optionally phosphorylated"
 FI
 XX GB2354241-A.
 XX 21 MAR 2001.
 XX 17-SEP-1999; 99GB-0021881.
 XX 17-SEP-1999; 99GB-0021881.
 XX (HOLM/) HOLMS R D.
 XX Holms RD;
 XX WPI; 2001-293287/31.
 XX Novel regulatory or unfolding peptides of ezrin that binds to
 PT heprecceptor, useful for inducing immune response for treating
 PT infectious diseases and cancer
 XX
 PS Claim 22: Page 36; 42pp; English.
 XX
 CC The heprecceptor is a novel active site in human ezrin. Ezrin regulates
 CC the structure of the cortical cytoskeleton to control cell surface
 CC topography. The present invention relates to peptides (see AAB82021 to
 CC AAB82041) that bind to heprecceptor with greater affinity than HEP1 (see
 CC AAB82046). The heprecceptor binding peptides are useful for inducing
 CC immune response, and for treating infectious diseases, cancer and

CC HIV-related dementia. The present peptide binds to domain A of the
 CC heprecceptor (AAB82019).
 XX
 SQ Sequence 13 AA;
 Query Match 100.0%; Score 60; DB 22; Length 14;
 Best Local Similarity 100.0%; Pred. No. 0.0025;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 EELMLRLQDYEE 12
 Db 2 EELMLRLQDYEE 13
 RESULT 3
 AAB82020
 ID AAB82020 standard; peptide; 34 AA.
 AC AAB82020;
 XX
 DT 14-JUN-2001 (first entry)
 XX
 DE Human heprecceptor domain B.
 XX
 KW Human; heprecceptor domain B; cytostatic; anti-HIV; antibiotic;
 KW isotropic; immune response inducer; ezrin; infectious diseases, cancer;
 KW HIV-related dementia.
 XX
 OS Homo sapiens.
 XX
 EH Key Location/Qualifiers
 FI Modified-site 14 /note- "optionally phosphorylated"
 FI
 XX GB2354241-A.
 XX 21-MAR-2001.
 XX 17-SEP-1999; 99GB-0021881.
 XX 17-SEP-1999; 99GB-0021881.
 XX (HOLM/) HOLMS R D.
 XX Holms RD;
 XX WPI; 2001-293287/31.
 XX Novel regulatory or unfolding peptides of ezrin that binds to
 PT heprecceptor, useful for inducing immune response for treating
 PT infectious diseases and cancer
 XX
 PS Claim 5; Page 36; 42pp; English.
 XX
 CC The present sequence is domain B of human heprecceptor of human ezrin. The
 CC heprecceptor is a novel active site in human ezrin. Ezrin regulates the
 CC structure of the cortical cytoskeleton to control cell surface
 CC topography. The present invention relates to peptides (see AAB82021 to
 CC AAB82041) that bind to heprecceptor with greater affinity than HEP1 (see
 CC AAB82046). The heprecceptor binding peptides are useful for inducing
 CC immune response, and for treating infectious diseases, cancer and
 CC HIV-related dementia. The present sequence assembles into two
 CC anti-parallel helices with heprecceptor domain A (see AAB82019).
 XX
 SQ Sequence 34 AA;
 Query Match 100.0%; Score 60; DB 22; Length 14;
 Best Local Similarity 100.0%; Pred. No. 0.0066;
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 EELMLRLQDYEE 12
 Db 5 EELMLRLQDYEE 16

```

RESULT 4
AAC73954
ID AAC73954 standard; Protein, 436 AA.
XX
AC AAC73954:
XX
DT 03-SEP-2001 (first entry)
XX
DE Human colon cancer antigen protein SEQ ID NO:4718.
XX
KW Human; colon cancer; colon cancer and aden. diagnosis; detection;
KW colorectal carcinoma.
XX
OS Homo sapiens.
XX
PN W020912920-A2.
XX
PD 05-APR-2001.
XX
PF 28-SEP-2000; 2000WG-US26524.
XX
PR 29-SEP-1999; 99US-0157137.
XX
PB 03-NOV-1999; 99US-0164280.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Barash SC, Hirse CE, Rosen CA;
XX
WPI: 2001-235357/24.
XX
N-PSDB: AAI33385.
XX
Nucleic acids encoding 4277 human colon cancer associated polypeptides,
XX useful for preventing, diagnosing and/or treating colorectal cancers.
XX
Claim 11, Page 552 of 561. 9909pp. English.
XX
AAC73954 to AAH37195 and AAC73788 represent human colon
XX cancer associated nucleic acid molecules (N) and proteins (P), where
XX the proteins are collectively known as colon cancer antigens. The colon
XX cancer antigens have cytostatic activity and can be used in gene
XX therapy and vaccine production. N and P may be used in the prevention,
XX diagnosis and treatment of diseases associated with inappropriate P
XX expression. For example, N and P may be used to treat disorders
XX associated with decreased expression by rectifying mutations or deletions
XX in a patient's genome that affect the activity of P by expressing
XX inactive proteins or to supplement the patient's own production of P.
XX Additionally, N may be used to produce the colon cancer-associated P,
XX by inserting the nucleic acids into a host cell and culturing the cell
XX to express the proteins. N and P can be used in the prevention, diagnosis
XX and treatment of colorectal carcinomas and cancers. AAH37195 to AAH37204
XX and AAH77789 represent sequences used in the exemplification of the
XX present invention.
XX N.B. Pages 666 to 682 and page 7053 of the sequence listing were
XX missing at time of publication, meaning no sequences are present for
XX SEQ ID NO:1027 to 1052, 7920 and 7922.
XX
SQ Sequence 436 AA;
Query Match 100.0%; Score 60; ID 22; Length 436;
Best Local Similarity 100.0%; Pred. No 0 088;
Matches 12, Conservative 0, Mismatches 0, Indels 0, Gaps 0,
OY 1 EELMLRLQDYEE 12
Db 195 EELMLRLQDYEE 206
RESULT 5
AAH27443
ID AAH27443 standard; protein: 586 AA.
XX
AC AAH27443:
XX
DT 26-NOV-1999 (first entry)
XX
DE Amino acid sequence of human ezrin polypeptide.
XX
KW Pharmaceutical; ezrin; mutant; tumor; metastasis; human.
XX
OS Homo sapiens.
XX
PN W09947150-A2.
XX
PD 23-SEP-1999.
XX
PF 18-MAR-1999; 99WO-EP02054.
XX
PR 18-MAR-1998; 98US-0040725.
XX
PA (CURE-) INST CURIE.
XX
PA (CNRS) CNRS CENT NAT RECH SCI.
XX
PI Arpin M, Crepaldi T, Gautreau A, Louvard D;
XX
WPI: 1999-561851/47.
XX
N New composition for prevention and treatment of tumors and metastasis
XX
Example 1, Fig 1, 31pp, English.
XX
The invention provides a pharmaceutical composition containing ezrin
XX protein, RNA or DNA mutated on tyrosine 353, or a functional fragment
XX or derivative of the ezrin mutant. The new composition is useful for
XX prevention and/or treatment of tumors, and especially metastasis. The
XX present sequence represents the amino acid sequence of human ezrin
XX (before the maturation by deletion of the first amino acid Met).
XX
SQ Sequence 586 AA;
Query Match 100.0%; Score 60; ID 29; Length 586;
Best Local Similarity 100.0%; Pred. No 0 12;
Matches 12, Conservative 0, Mismatches 0, Indels 0, Gaps 0,
OY 1 EELMLRLQDYEE 12
Db 345 EELMLRLQDYEE 356
RESULT 6
AAU30004
ID AAU30004 standard; Protein, 622 AA.
XX
AC AAU30004:
XX
DT 18-DEC-2001 (first entry)
XX
DE Novel human secreted protein #495.
XX
KW Human; vaccination; gene therapy; nutritional supplement;
KW stem cell proliferation; hematopoiesis; nerve tissue regeneration;
KW immune suppression; immune stimulation; anti-inflammatory; leukaemia.
XX
OS Homo sapiens.
XX
PN W0200179449-A2.
XX
PD 25-OCT-2001.

```


XX WPI: 2001-093287/11

XX Novel regulatory or unfolding peptides of ezrin that binds to

PT Receptor useful for inducing immune response for treating

PT Infectious diseases and cancer

XX Claim 26, Page 37, 43pp, English.

XX The hepreceptor is a novel active site in human ezrin. Ezrin regulates

CC the structure of the cortical cytoskeleton to control cell surface

CC topography. The present invention relates to peptides (see AAB82021 to

CC AAB82041) that bind to hepreceptor with greater affinity than HEPI (see

CC AAB82046). The hepreceptor binding peptides are useful for inducing

CC immune response, and for treating infectious diseases, cancer and

CC HIV-related dementia. The present peptide binds to domain A of the

CC hepreceptor (AAB82019).

XX Sequence 11 AA;

SQ

Query Match 91.7%, Score 55; DB 22; length 11;

Best Local Similarity 100.0%; Pred. No. 0.014;

Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 ELMRLQDYEE 12

DB 1 ELMRLQDYEE 11

RESULT 9

AAU33060

ID AAU33060 standard; Protein: 52 AA

AC AAU33060;

XX

XX 18-DEC-2001 (first entry)

XX Novel human secreted protein #3551.

DE

XX Human; vaccination, gene therapy, nutritional supplement,

KW stem cell proliferation, hematopoiesis, nerve tissue regeneration,

KW immune suppression; immune stimulation; anti-inflammatory; leukaemia.

XX Homo sapiens.

XX WO200179449-A2.

XX

XX 25-OCT-2001.

XX

XX 16-APR-2001; 2001WO-US08656.

XX

XX 18-APR-2000; 2000US-0552929.

XX 26-JAN-2001; 2001US-0770160.

XX (HYSE-) HYSEQ INC.

XX

XX Tang YH, Liu C, Ormanac RT;

XX WPI: 2001-611725/70.

XX

XX Nucleic acids encoding a range of human polypeptides, useful in genetic

PT vaccination, testing and therapy -

XX

XX Claim 29; Page 702; 765pp; English.

XX

XX The invention relates to novel human secreted polypeptides. The

CC polypeptides and antibodies to the polypeptides are useful for

CC determining the presence of or predisposition to a disease associated

CC with altered levels of polypeptide. The polypeptides are also useful for

CC identifying agents (agonists and antagonists) that bind to them. Cells

CC expressing the proteins are useful for identifying a therapeutic agent

CC for use in treatment of a pathology related to aberrant expression or

CC physiological interactions of the polypeptide. Vectors comprising

CC the nucleic acids encoding the polypeptides and cells genetically

CC engineered to express them are also useful for producing the proteins.

CC The proteins are useful in genetic vaccination, testing and

CC therapy, and can be used as nutritional supplements. They may be used to

CC increase stem cell proliferation; to regulate hematopoiesis; and in

CC bone, cartilage, tendon and/or nerve tissue growth or regeneration;

CC immune suppression and/or stimulation; as anti-inflammatory agents; and

CC in treatment of leukaemia. AAU33060 represents the amino acid

CC sequences of novel human secreted proteins of the invention.

XX

SQ Sequence 52 AA;

Query Match 86.7%, Score 52; DB 22; length 52;

Best Local Similarity 91.7%; Pred. No. 0.2;

Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ELMRLQDYEE 12

DB 13 ELMRLQDYEE 24

RESULT 10

AAU27444

ID AAU27444 standard; peptide: 27 AA.

XX

AC AAU27444;

XX

XX 26-NOV-1999 (first entry)

XX Antennapedia internalization sequence in tandem with ezrin fragment.

DE

XX Pharmaceutical; ezrin; mutant; tumor; antennapedia internalization;

KW metastasis; human.

XX Synthetic.

XX

XX Key Location/Qualifiers

FT Modified-site 1

FT Modified-site 22

FT Modified-site 22

XX

XX W09947150-A2.

XX

XX 23-SEP-1999.

XX

XX 18-MAR-1999; 99WO-EP02054.

XX

XX 18-MAR-1998; 98US-0040725.

XX

XX (CURT-) INST CURIE.

XX (CNRS) CNRS CENT NAT RECH SCI.

XX

XX Arpin M, Crepaldi T, Gautreau A, Louvard D;

XX WPI: 1999-561851/47.

XX

XX New composition for prevention and treatment of tumors and metastasis

PT

XX

XX Example 5; Page 14; 31pp; English.

XX

XX The invention provides a pharmaceutical composition containing ezrin

CC protein, RNA of DNA mutated on tyrosine 353, or a functional fragment

CC or derivative of the ezrin mutant. The new composition is useful for

CC prevention and/or treatment of tumors, and especially metastasis. The

CC present sequence represents an antennapedia internalization sequence in

CC tandem with an ezrin fragment (residues 448-458). This is used in

CC experiments of p85 interaction with phosphotyrosinated ezrin peptides.

XX

SQ Sequence 27 AA;

Query Match 68.3%; Score 41; DB 20; length 27;

Best local Similarity: 100.0%; Pred. No. 6,11;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 ELILQYEE 12
|||||
Db 17 ELILQYEE 24

RESULT 11
ABG29165
ID ABG29165 standard; Protein: 344 AA.

XX AC ABG29165;
XX
XX 13-FEB-2002 (first entry)
XX
XX Novel human diagnostic protein, #29165

XX Human; chromosome mapping; gene mapping; gene therapy; forensic;
KW food supplement; medical imaging; diagnostic; genetic disorder.
XX
XX Homo sapiens.

XX W0200175067-A2.

XX 11-OCT-2001.

XX 30-MAR-2001; 2001WO-050064-1

XX 31-MAR-2000; 2000US-0540217.

XX 24-APR-2000; 2000US-0649167.

XX (HYSEQ INC)

XX Drmanac RT, Liu C, Tanq YT;

XX WPI: 2001-649362/73.

XX N-USDB; AAS94352.

XX New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PI responsible for genetic disorders or other traits and to assess
BI biodiversity

XX Claim 20; SEQ ID No 59524; 103pp; English.

XX The invention relates to isolated polynucleotide (I) and
XX polypeptide (II) sequences. (I) is useful as hybridisation probes,
XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome
XX and gene mapping, and in recombinant production of (II). The
XX polynucleotides are also used in diagnostics as expressed sequence tags
XX for identifying expressed genes. (I) is useful in gene therapy techniques
XX to restore normal activity of (II) or to treat disease states involving
XX (II). (II) is useful for generating antibodies against it, detecting or
XX quantitating a polypeptide in tissue, as molecular weight markers and as
XX a food supplement. (II) and its binding partners are useful in medical
XX imaging of sites expressing (II). (I) and (II) are useful for treating
XX disorders involving aberrant protein expression or biological activity.
XX The polypeptide and polynucleotide sequences have applications in
XX diagnostics, forensics, gene mapping, identification of mutations
XX responsible for genetic disorders or other traits to assess biodiversity
XX and to produce other types of data and products dependent on DNA and
XX amino acid sequences. ABG00010 ABG30377 represent novel human
XX diagnostic amino acid sequences of the invention.
XX Note: The sequence data for this patent did not appear in the printed
XX specification, but was obtained in electronic format directly from Wipo
XX at ftp.wipo.int/pub/published_pet_sequences.

XX Sequence 344 AA;

XX Query Match 68.4%; Score 41; DB 22; Length 344;
XX Best local Similarity 72.7%; Pred. No. 79;
XX Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 FELMLRLQDYEE 11
|||||
Db 278 KELMLRLQDYEE 288

RESULT 12

ABR39680
ID ABR39680 standard; Peptide: 57 AA.

XX AC ABR39680;

XX 04-FEB-2002 (first entry)

XX Peptide #7186 encoded by human foetal liver single exon probe.

XX Human; foetal liver, gene expression; single exon nucleic acid probe.
XX Homo sapiens.

XX W0200157277-A2.

XX 09-AUG-2001.

XX 30-JAN-2001; 2001WO-0500669.

XX 04-FEB-2000; 2000US-0180412.

XX 26-MAY-2000; 2000US-0207456.

XX 30-JUN-2000; 2000US-0608408.

XX 03-AUG-2000; 2000US-0632466.

XX 21-SEP-2000; 2000US-0234687.

XX 27-SEP-2000; 2000US-0236359.

XX 04-OCT-2000; 2000GB-0024263.

XX (MOLE-) MOLECULAR DYNAMICS INC.

XX Penn SG, Hanzel DK, Chen W, Rank DR;

XX WPI: 2001-483447/52.

XX Human genome-derived single exon nucleic acid probes useful for
PI analyzing gene expression in human foetal liver

XX Claim 27; SEQ ID No 32315; 639pp; sequence listing; English.

XX The invention relates to a single exon nucleic acid probe for
XX measuring human gene expression in a sample derived from human foetal
XX liver. The single exon nucleic acid probes may be used for predicting,
XX measuring and displaying gene expression in samples derived from human
XX foetal liver. The present sequence is a peptide encoded by a single exon
XX nucleic acid probe of the invention.

XX Note: The sequence data for this patent did not form part of the
XX printed specification, but was obtained in electronic format directly
XX from Wipo at ftp.wipo.int/pub/published_pet_sequences.

XX Sequence 57 AA;

XX Query Match 65.0%; Score 39; DB 22; Length 57;

XX Best local Similarity 72.7%; Pred. No. 27;

XX Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

RESULT 13

AAM60396

ID AAM60396 standard; Protein: 57 AA.

XX AC AAM60396;

XX 05-NOV-2001 (first entry)

XX	Human brain expressed single exon probe encoded protein SEQ ID NO: 32501
XX	Human: brain expressed exon: gene expression analysis: probe;
KW	microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;
KW	epilepsy; cancer
XX	
OS	Homo sapiens.
XX	
PN	W0200157275-A2.
XX	
PD	09-AUG-2001
XX	
PF	30-JAN-2001; 2001WO-0500667
XX	
PR	04-FEB-2000; 2000US 0180312.
PR	26-MAY-2000; 2000US-0207456.
PP	30-JUN-2000; 2000US-0508408.
PP	03-AUG-2000; 2000US-0649366.
PP	21-SEP-2000; 2000US-0234687.
PR	27-SEP-2000; 2000US 0236356.
PR	01-OCT-2000; 2000GR-0521263.
XX	
PA	(MOLE-) MOLECULAR DYNAMICS INC.
XX	
PI	Penn SG, Hanzel DK, Chen W, Rank DR;
XX	
PR	WPI: 2001-483446/52.
XX	
PT	single exon nucleic acid probes for locally: gene expression in human
PT	brains -
XX	
PS	example 4; SEQ ID NO: 32501, 650pp + Sequence listing; English.
XX	
CC	The present invention provides a number of single exon nucleic acid
CC	probes which are derived from genomic sequences expressed in the human
CC	brain. They can be used to measure gene expression in brain cell samples,
CC	which may enable the diagnosis and improved treatment of nervous system
CC	diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,
CC	epilepsy and cancers. The present sequence is a protein encoded by one of
CC	the probes of the invention.
XX	
SQ	Sequence 57 AA:
	Query Match 65.0%; Score 39; DB 22; Length 57;
	Best local Similarity 72.7%; Prod. No. 27;
	Matches 8; Conservation 2; Mismatches 1; In gaps 0, Gaps 0
QY	2 ELMLRQDYEE 12
	:
Db	18 ELRLRQDYFE 28
RESULT 14	
AAW73032	
ID	AAW73032 standard; Protein: 57 AA.
XX	
AC	AAW73032;
XX	
D1	06-NOV-2001 (first entry)
XX	
DE	Human bone marrow expressed probe encoded protein SEQ ID NO: 33398.
XX	
KW	Human: bone marrow expressed exon: gene expression analysis: probe;
KW	microarray; cancer; leukemia; lymphoma; myeloma.
XX	
OS	Homo sapiens.
XX	
PN	W0200157276-A2.
XX	
PD	09-AUG-2001.
XX	
PF	30-JAN-2001; 2001WO-US00668

PT Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human placenta -
XX
XX Claim 27; SEQ ID No 33525; 654pp; English.
XX
XX The present invention relates to single exon nucleic acid probes (SENP;
XX see AAI315; AAI57546). The present sequence is a peptide encoded by one
XX such probe. The probes are useful for producing a microarray for
XX predicting, measuring and displaying gene expression in samples derived
XX from human placenta. The probes are useful for antenatal diagnosis of
XX human genetic disorders.
XX
XX Sequence 57 AA:
SQ
Query Match 65.0%; Score 49; DB 22; Length 57;
Best Local Similarity 72.7%; Pred. No. 27;
Matches 8; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 2 ELMLRLQRYEE 12
DD 18 ELMLRLQRYEE 28

Search completed: January 16, 2003, 16:49:15
Job time : 58.0857 secs